Performance Data Sheet

AGA5568EXN

General Information

Model	AGA5568EXN	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	22900	21900					
	Watts	3670	3530					
	Amps	18.0	17.1					
	Lb/h	313	289					
-10	Btu/h	24800	23300	21800				
	Watts	3810	3700	3600				
	Amps	18.9	18.2	17.5				
	Lb/h	335	310	285				
-5	Btu/h	27400	25500	23600	21700			
	Watts	3950	3890	3820	3750			
	Amps	19.9	19.3	18.8	18.3			
	Lb/h	366	339	313	287			
0	Btu/h	30900	28600	26200	23900	21600		
	Watts	4110	4080	4050	4020	3990		
	Amps	20.8	20.4	20.1	19.8	19.5		
	Lb/h	407	379	351	323	296		
5	Btu/h	35200	32400	29600	26900	24200		
	Watts	4280	4290	4290	4290	4300		
	Amps	21.6	21.5	21.4	21.2	21.1		
	Lb/h	456	427	398	369	340		
10	Btu/h	40200	37100	33900	30700	27500	24400	21200
	Watts	4460	4500	4540	4580	4620	4660	4700
	Amps	22.5	22.5	22.6	22.7	22.7	22.8	22.9
	Lb/h	514	484	454	424	394	364	334
15	Btu/h	46100	42500	38900	35300	31700	28100	24500
	Watts	4640	4720	4800	4870	4950	5030	5100
	Amps	23.3	23.5	23.8	24.1	24.3	24.6	24.8
	Lb/h	581	550	519	488	457	426	395
20	Btu/h	52600	48600	44600	40700	36700	32700	28700
	Watts	4830	4950	5060	5170	5290	5400	5520
	Amps	24.0	24.5	25.0	25.4	25.9	26.3	26.8
	Lb/h	657	625	593	561	529	497	465

25	Btu/h	59900	55600	51200	46800	42400	38000	33600
	Watts	5030	5180	5330	5480	5630	5790	5940
	Amps	24.8	25.4	26.1	26.7	27.4	28.0	28.7
	Lb/h	740	708	675	643	610	577	544
30	Btu/h	68000	63200	58400	53700	48900	44100	39300
	Watts	5230	5420	5610	5800	5990	6180	6360
	Amps	25.4	26.3	27.2	28.0	28.9	29.7	30.6
	Lb/h	832	799	766	733	699	665	632
35	Btu/h	76700	71600	66400	61300	56100	50900	45700
	Watts	5430	5660	5890	6120	6350	6570	6800
	Amps	26.0	27.1	28.2	29.2	30.3	31.4	32.4
	Lb/h	931	898	865	831	797	762	728
40	Btu/h	86100	80600	75200	69600	64100	58500	52900
	Watts	5630	5900	6170	6440	6710	6970	7240
	Amps	26.6	27.9	29.2	30.4	31.7	33.0	34.2
	Lb/h	1040	1010	971	937	903	868	833
45	Btu/h	96200	90400	84600	78700	72800	66800	60900
	Watts	5830	6140	6460	6770	7070	7380	7680
	Amps	27.1	28.6	30.1	31.6	33.0	34.5	36.0
	Lb/h	1150	1120	1090	1050	1020	981	946
50	Btu/h			94700	88400	82200	75900	69600
	Watts	6030	6390	6740	7090	7440	7790	8130
	Amps	27.5	29.2	30.9	32.6	34.3	36.0	37.7
	Lb/h	1270	1240	1210	1170	1140	1100	1070
55	Btu/h				98900	92300	85600	78900
	Watts	6230	6630	7020	7420	7810	8200	8580
	Amps	27.9	29.8	31.7	33.7	35.6	37.4	39.3
	Lb/h	1400	1370	1340	1300	1270	1230	1200

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.018628E+04	4.414631E+03	2.347364E+01	6.377886E+02
C2	1.419799E+03	-2.677595E+01	-1.381591E-01	1.036915E+01
C3	-2.435660E+02	-3.964422E+00	-3.470722E-02	-2.928261E+00
C4	1.436458E+01	6.425457E-02	-9.944657E-04	1.594138E-01
C5	-7.627215E+00	7.791616E-01	4.064588E-03	-1.108747E-02
C6	1.415535E-02	1.102227E-03	3.714403E-06	2.021826E-04
C7	-1.906671E-02	-1.484656E-03	-5.003156E-06	-2.723321E-04
C8	1.886372E-02	1.468850E-03	4.949890E-06	2.694328E-04
C9	-5.341734E-03	-4.159417E-04	-1.401685E-06	-7.629664E-05
C10	2.558063E-04	1.991872E-05	6.712428E-08	3.653713E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature